

FIG.1

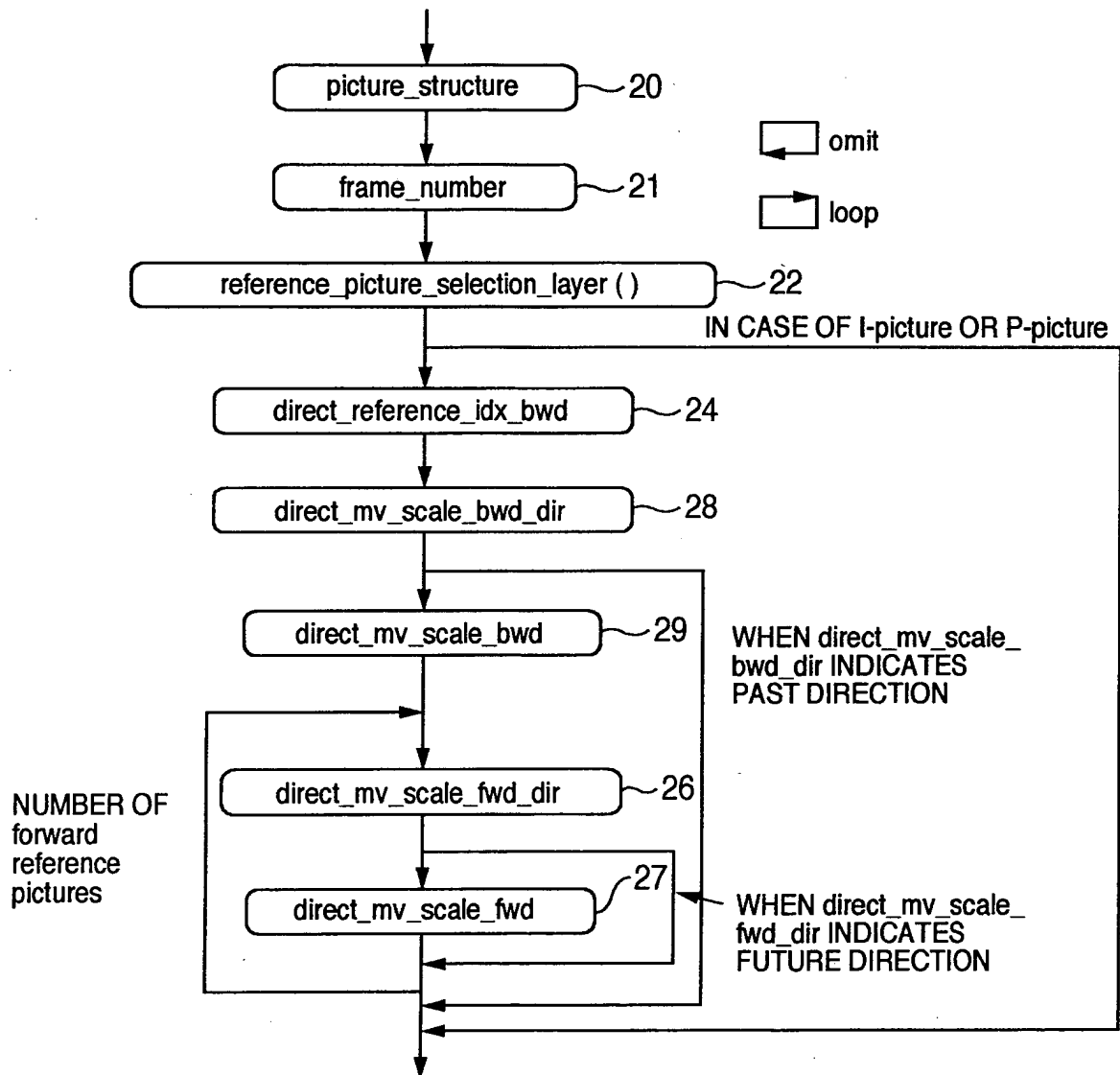


FIG.2

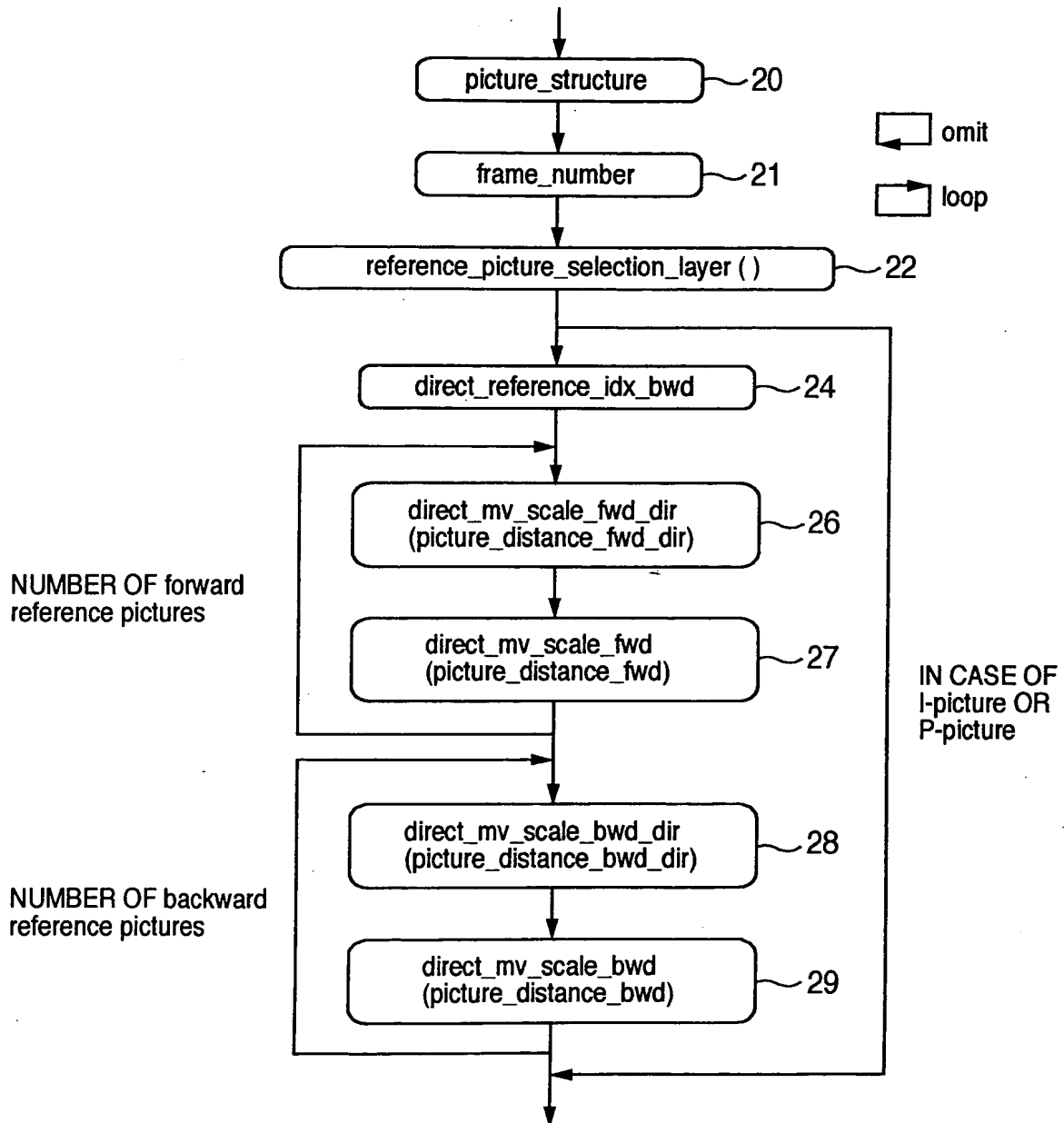


FIG.3

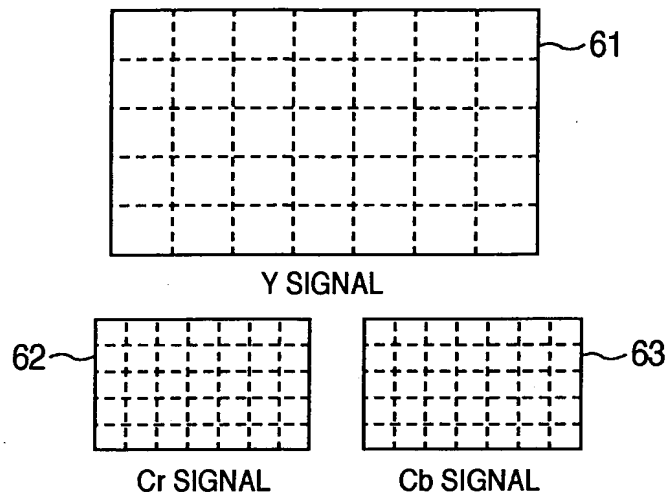
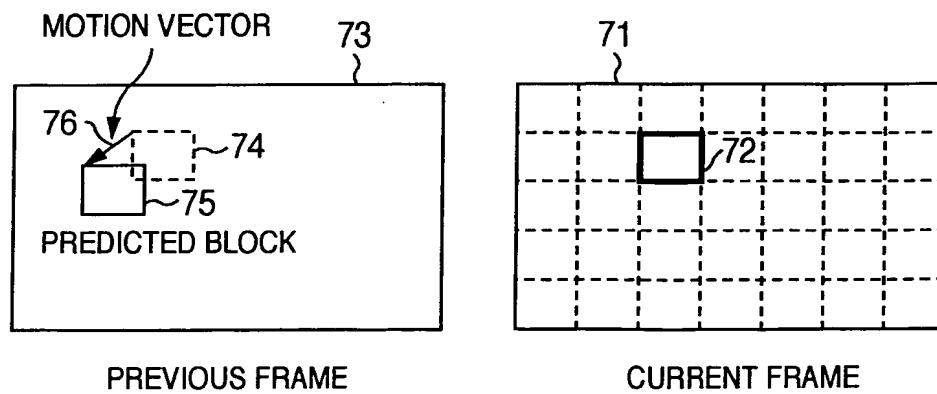
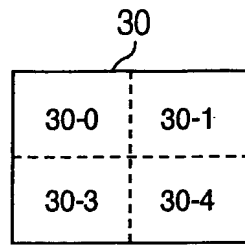


FIG.4

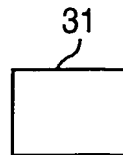


4 / 23

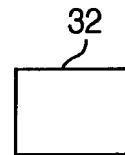
FIG.5



Y SIGNAL BLOCK

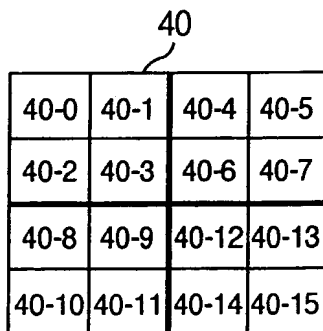


Cr SIGNAL BLOCK

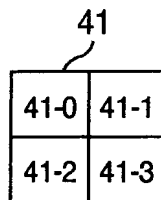


Cb SIGNAL BLOCK

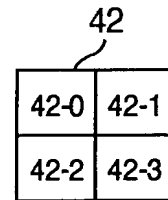
FIG.6



Y SIGNAL BLOCK

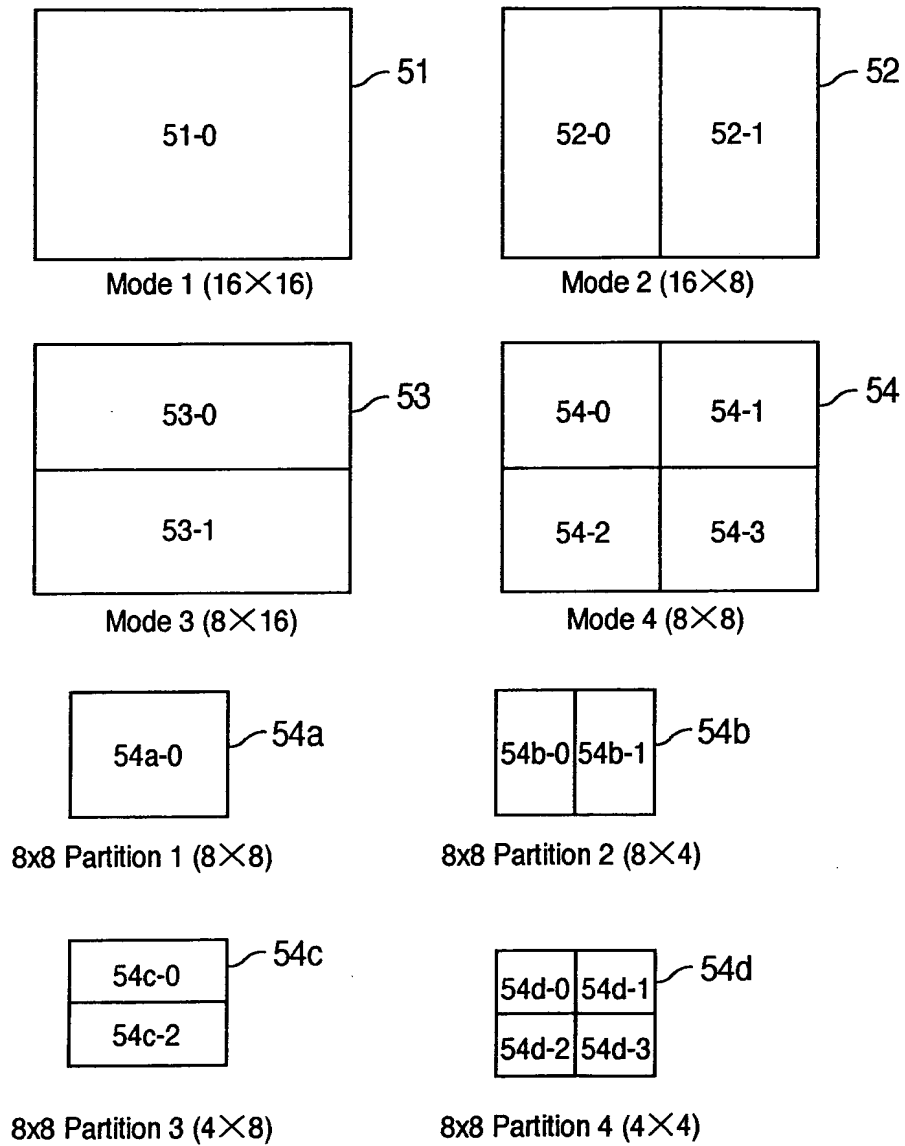


Cr SIGNAL BLOCK



Cb SIGNAL BLOCK

FIG.7



6 / 23

FIG.8

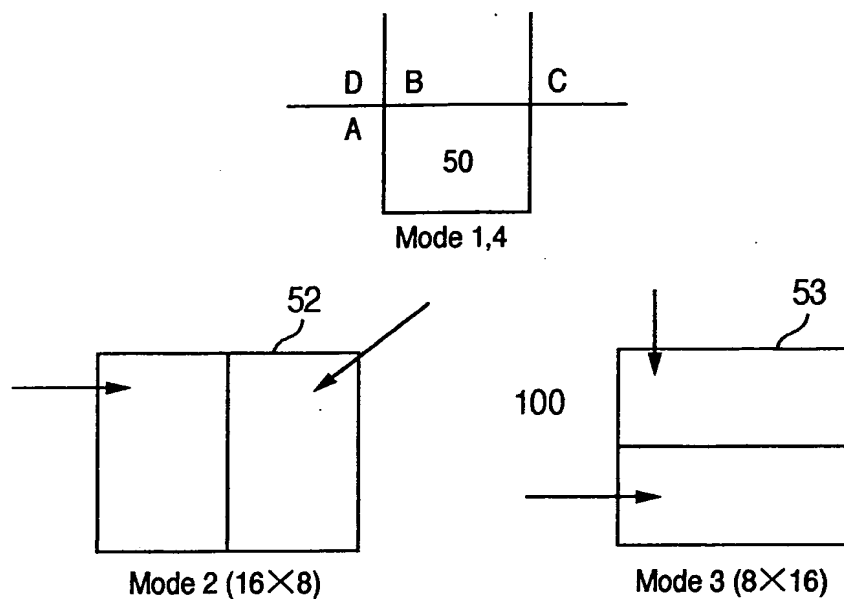
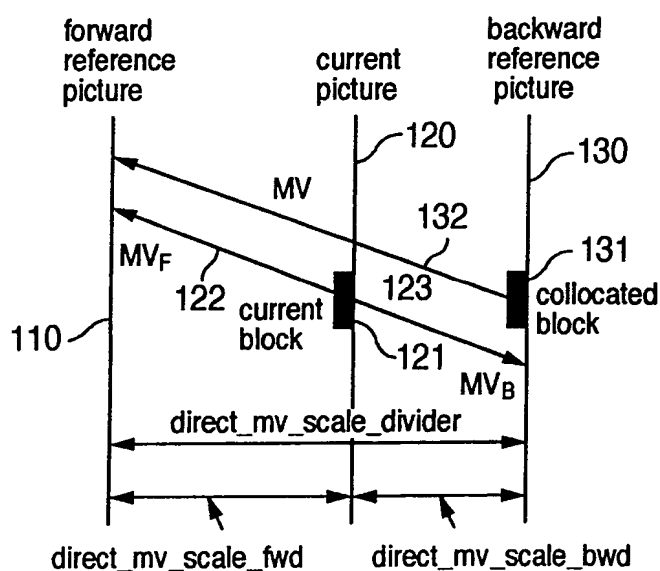


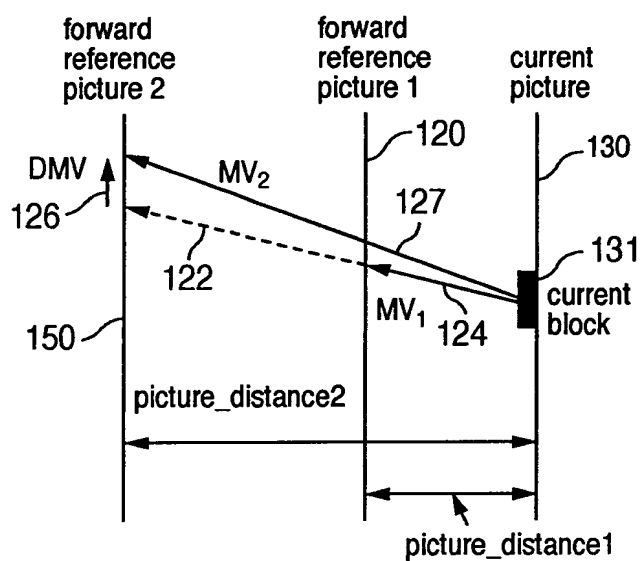
FIG.9



$$MV_F = direct_mv_scale_fwd \cdot MV / direct_mv_scale_divider$$

$$MV_B = direct_mv_scale_bwd \cdot MV / direct_mv_scale_divider$$

FIG.10



$$MV_2 = \text{picture_distance2} \cdot MV_1 / \text{picture_distance1} + DMV$$

FIG.11

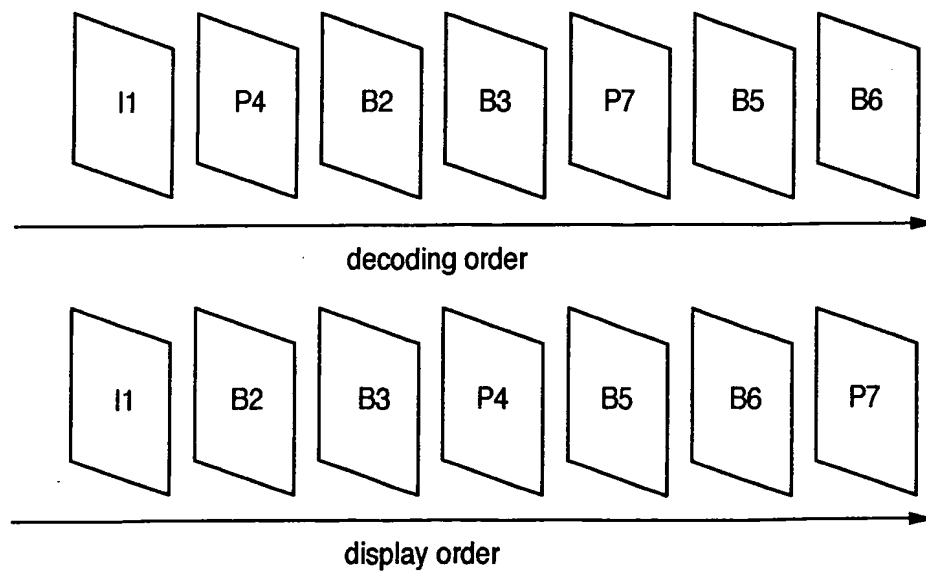
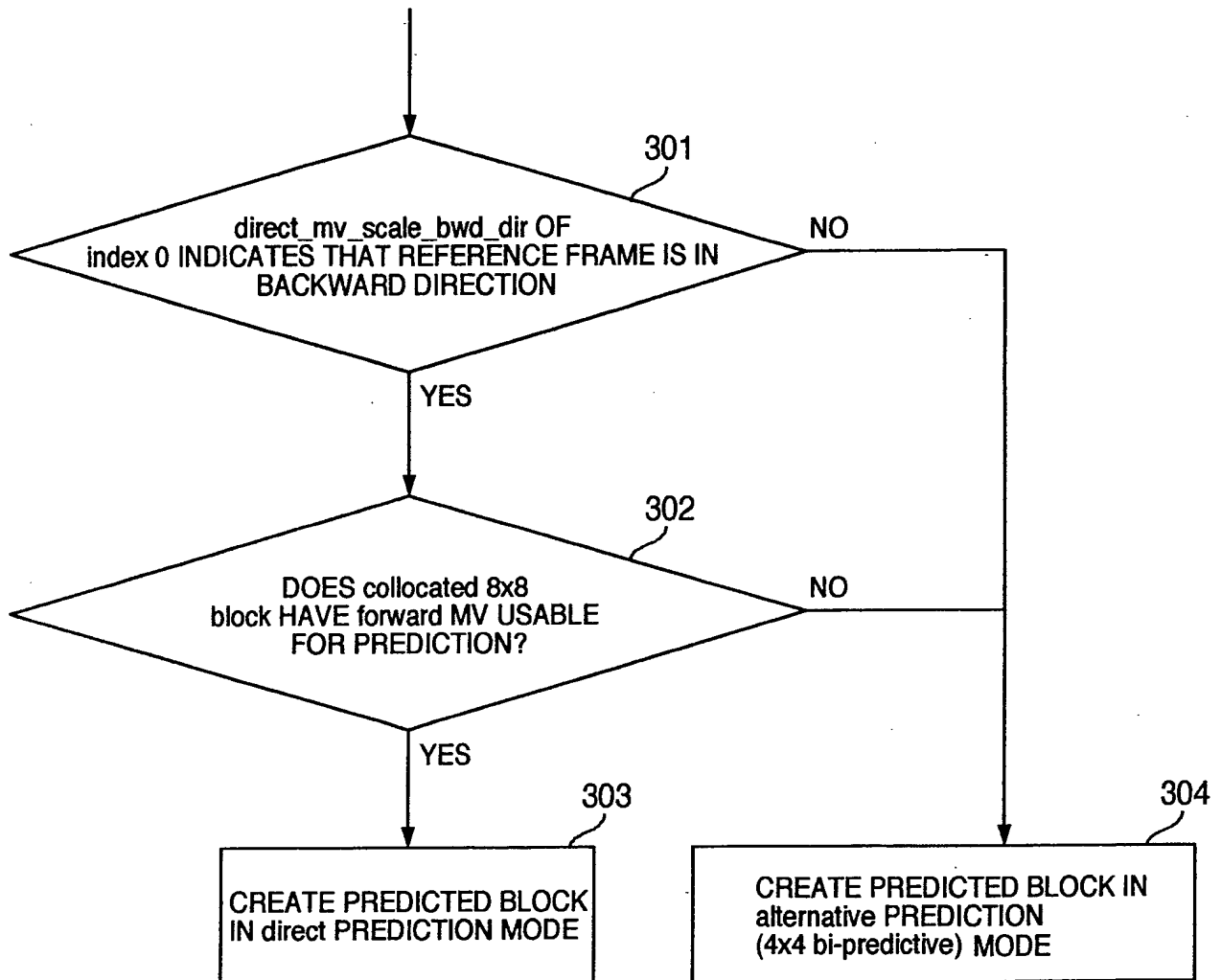
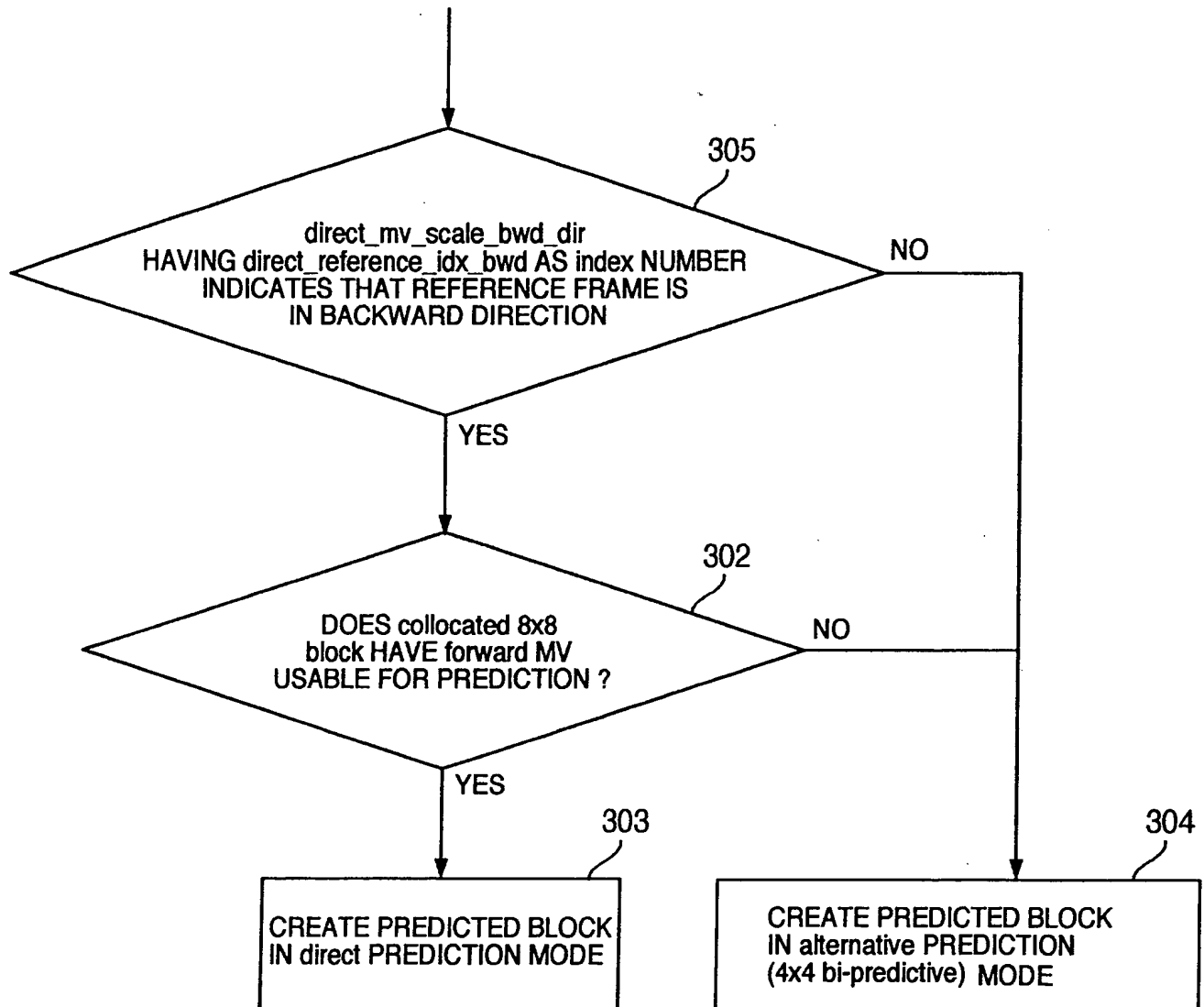


FIG.12



9/23

FIG.13



10/23

FIG. 14

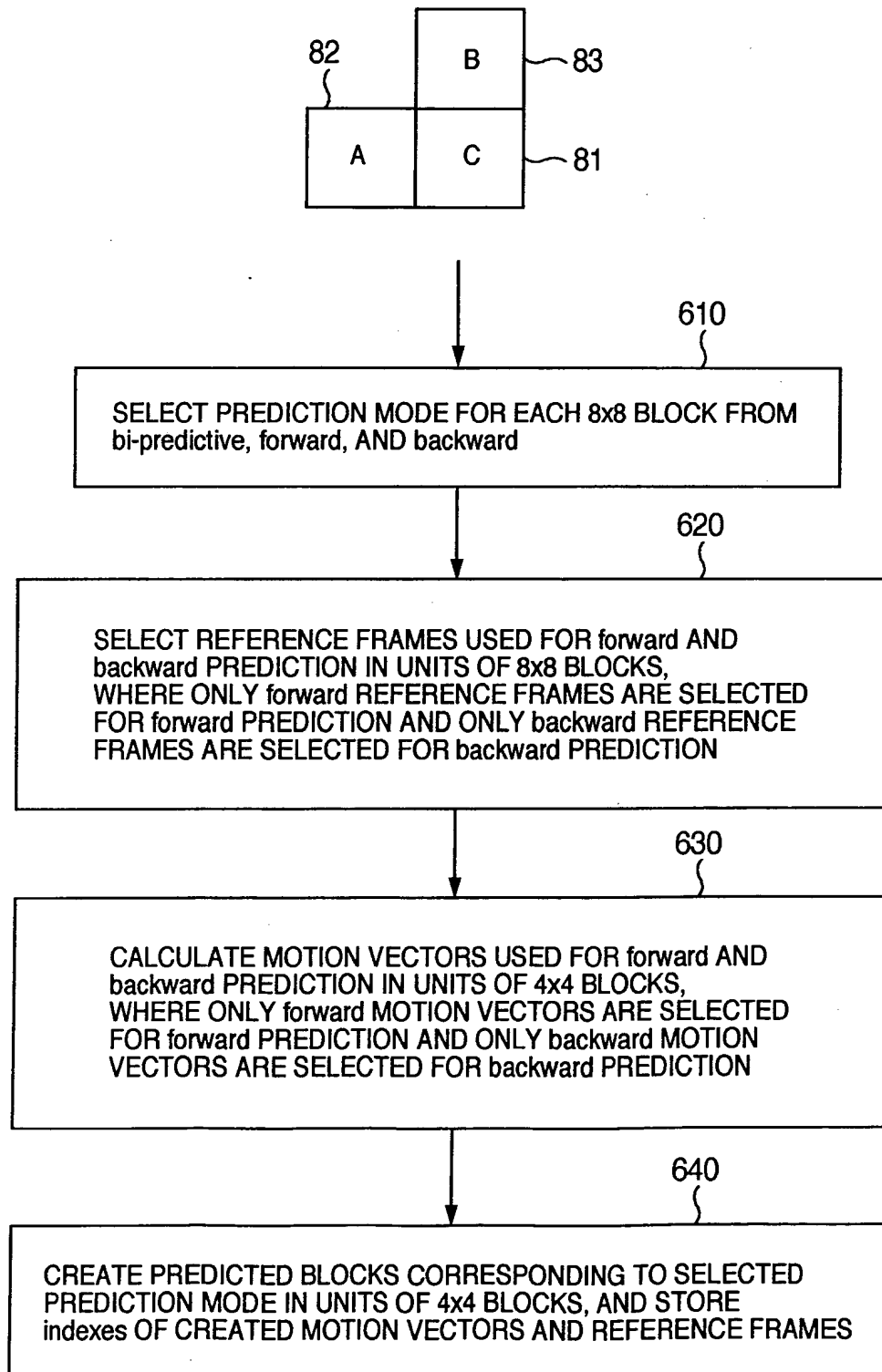
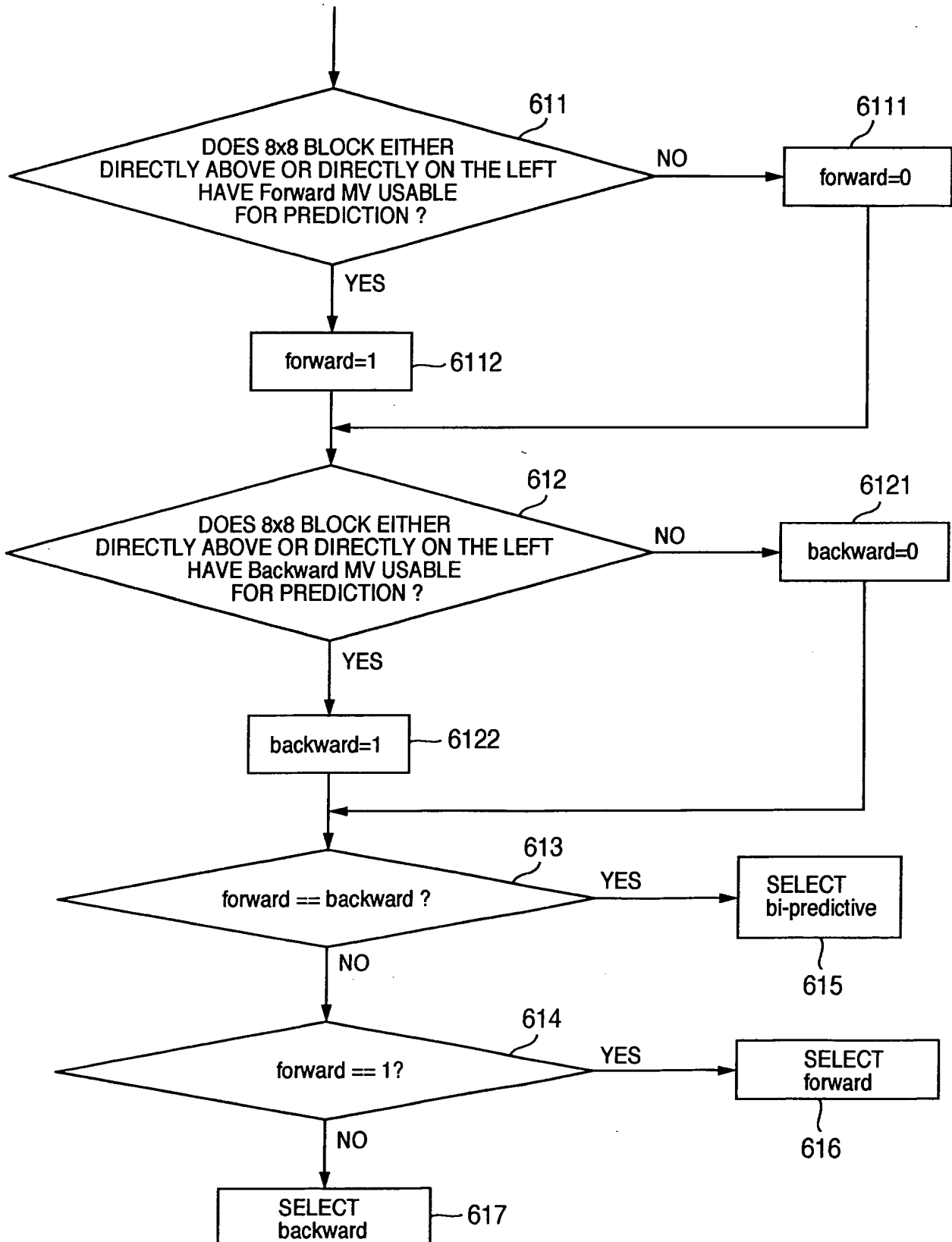


FIG.15



12 / 23

FIG.16

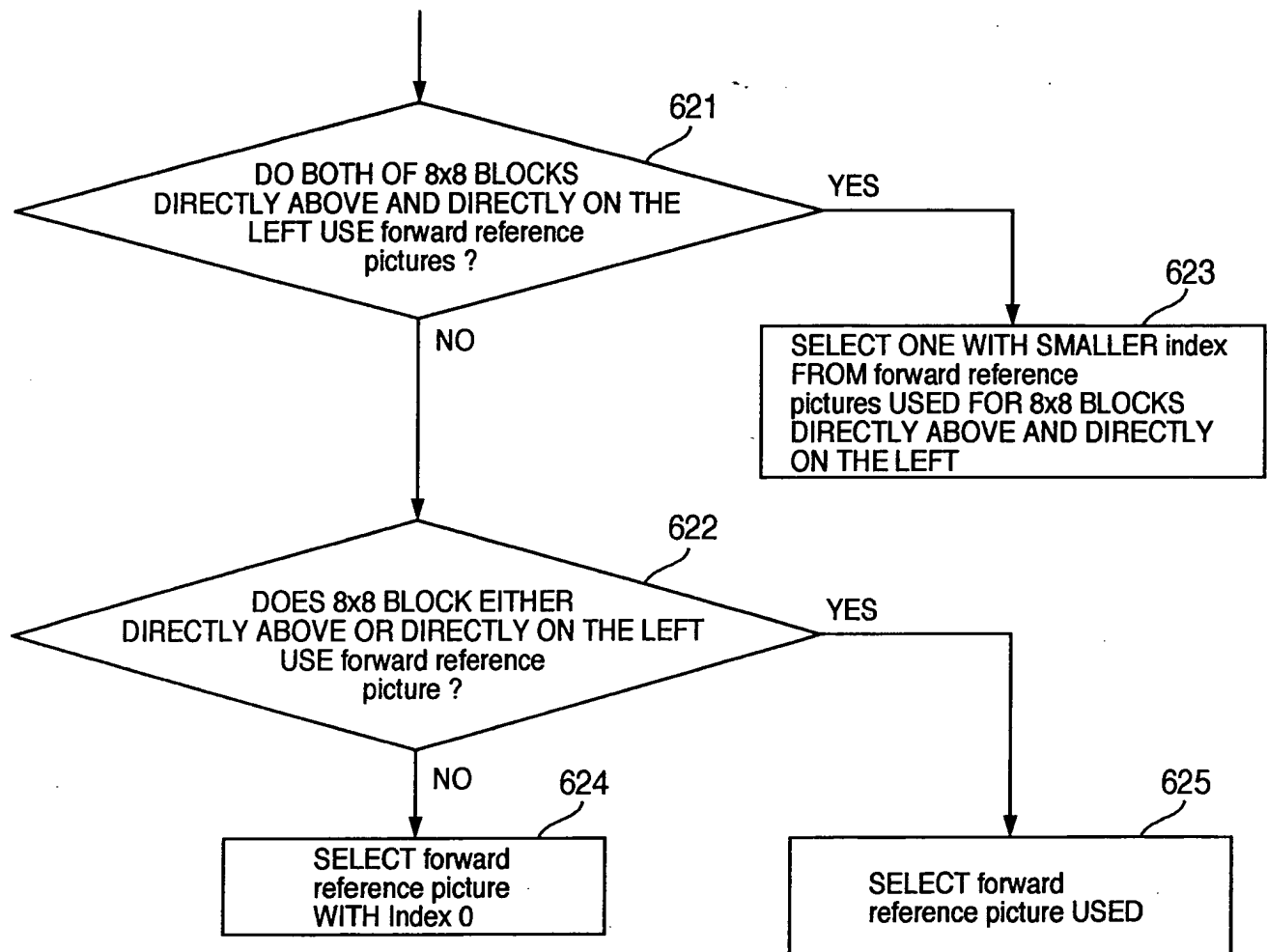
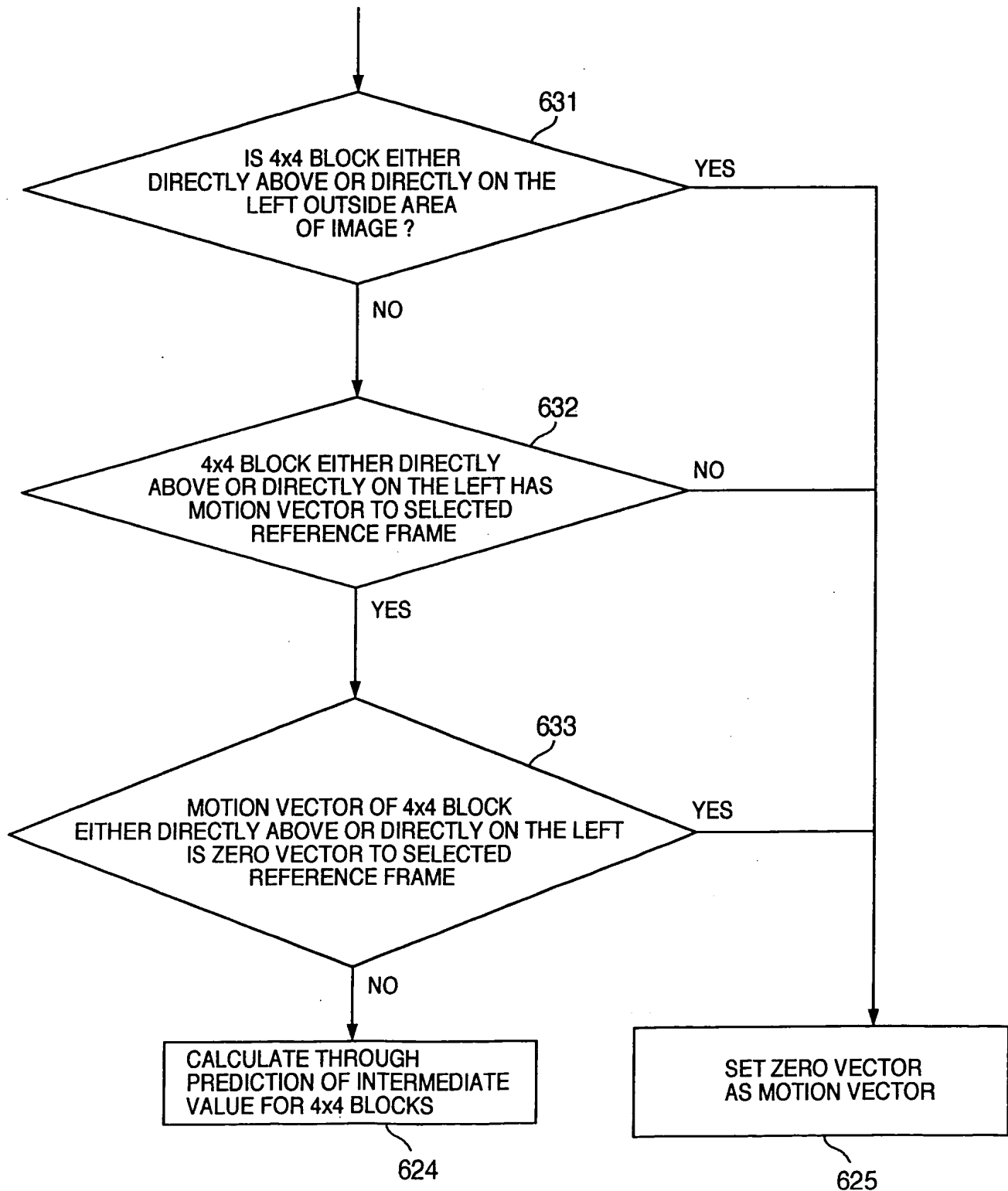
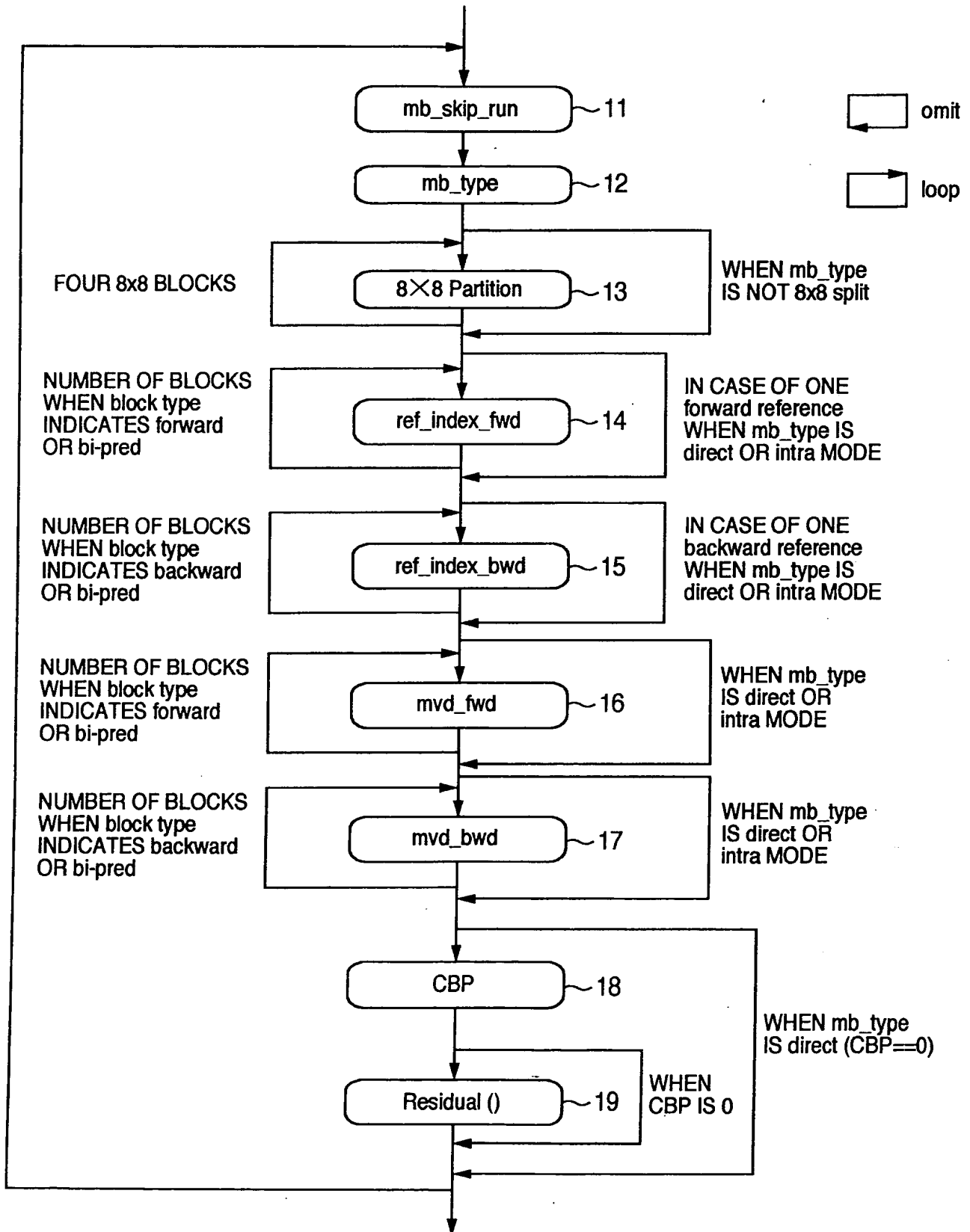


FIG.17



14 / 23

FIG.18



15/23

FIG.19

<div style="text-align: center;"> <p>0</p> <p>0 X_0 1</p> <p>0 X_0 0 X_1 1</p> <p>0 X_2 0 X_1 0 X_0 1</p> <p>0 X_3 0 X_2 0 X_1 0 X_0 1</p> <p>-----</p> <p>$X_n = 0$ or 1</p> </div>	
Code_number	Codewords in explicit form
0	0
1	001
2	011
3	00001
4	00011
5	01001
6	01011
7	0000001
8	0000011
9	0001001
10	0001011
11	0100001
.....

FIG.20

Code_number	Macroblock mode	Binarization
0	SKIP	0
1	16×16	1000
2	16×8	1011
3	8×16	1010
4	8×8 (split)	1001
5 (UVLC only)	8×8 (split, all ref=0)	-
6	Intra 4×4	110
7	Intra 16×16	111

Code_number	8×8 Partition mode	Binarization
0	8×8	1
1	8×4	000
2	4×8	0011
3	4×4	0010
4	Intra	01

92

16 / 23

FIG.21

93

Code_number	Macroblock mode	Block 1	Block 2	Binarization
0	Direct (CBP==0)	-	-	0
1	Direct	-	-	10
1	16×16	Forward	-	1100
2	16×16	Backward	-	1101
3	16×16	Bipred	-	1110000
4	16×8	Forward	Forward	1110001
5	8×16	Forward	Forward	1110010
6	16×8	Backward	Backward	1110011
7	8×16	Backward	Backward	1110100
8	16×8	Forward	Backward	1110101
9	8×16	Forward	Backward	1110110
10	16×8	Backward	Forward	1110111
11	8×16	Backward	Forward	1111110
12	16×8	Forward	Bipred	11110000
13	8×16	Forward	Bipred	11110001
14	16×8	Backward	Bipred	11110010
15	8×16	Backward	Bipred	11110011
16	16×8	Bipred	Forward	11110100
17	8×16	Bipred	Forward	11110101
18	16×8	Bipred	Backward	11110110
19	8×16	Bipred	Backward	11110111
20	16×8	Bipred	Bipred	11111000
21	8×16	Bipred	Bipred	11111001
22	8×8 (split)			1111111
23	Intra 4×4			111111010
24	Intra 16×16			111111011

Code_number	8×8 Partition mode	Prediction	Binarization
0	Direct	-	0
1	8×8	Forward	10
2	8×8	Backward	1100
3	8×8	Bipred	1101
4	8×4	Forward	1110000
5	4×8	Forward	1110001
6	8×4	Backward	1110010
7	4×8	Backward	1110011
8	8×4	Bipred	1110100
9	4×8	Bipred	1110101
10	4×4	Forward	1110110
11	4×4	Backward	1110111
12	4×4	Bipred	1111110
13	Intra	-	1111000

94

17/23

FIG.22

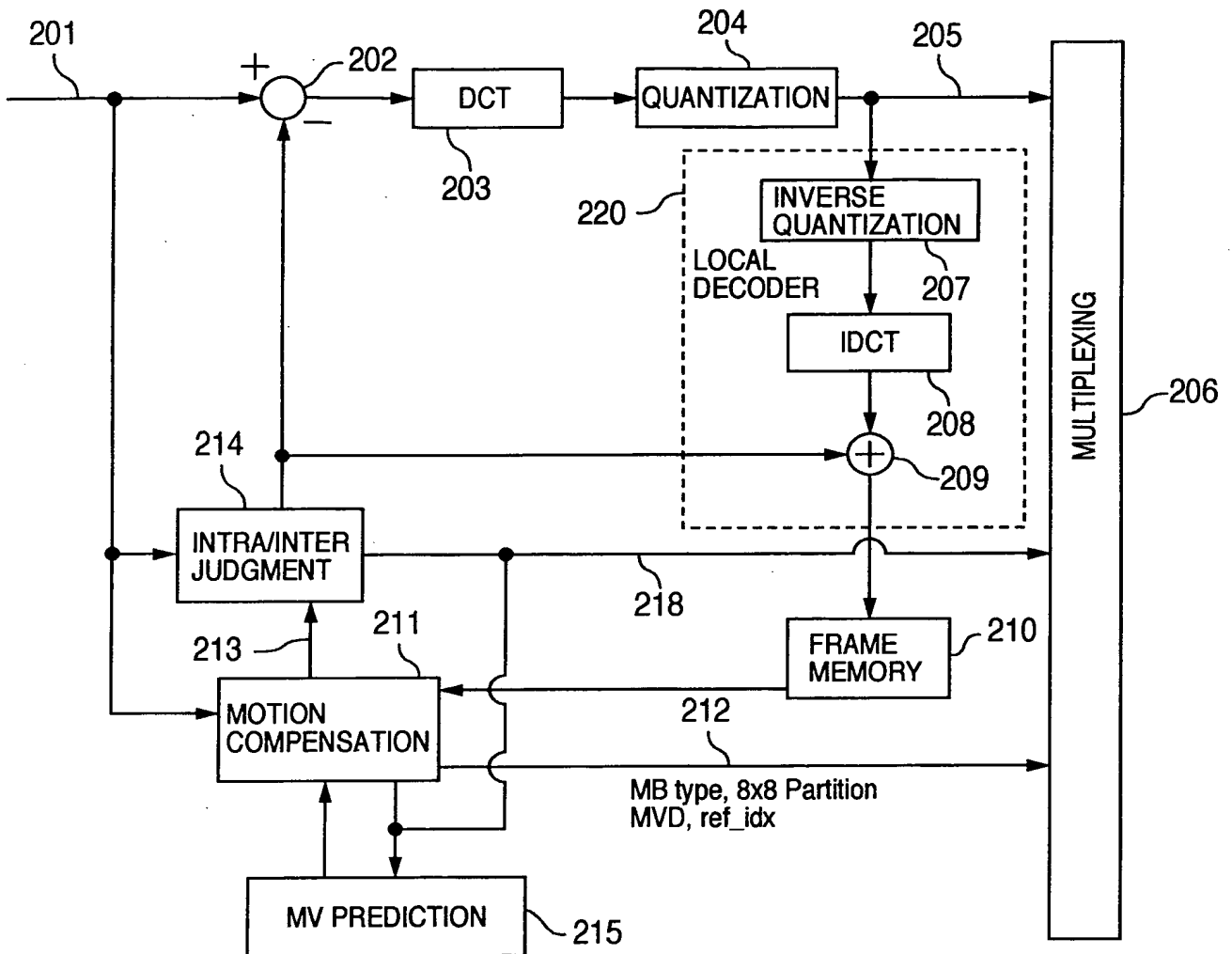
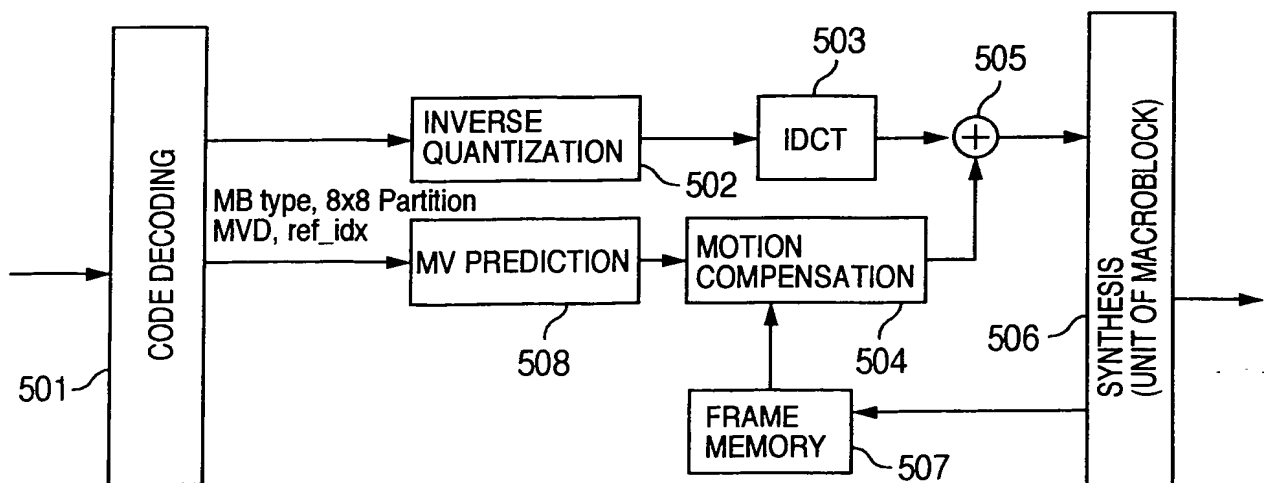
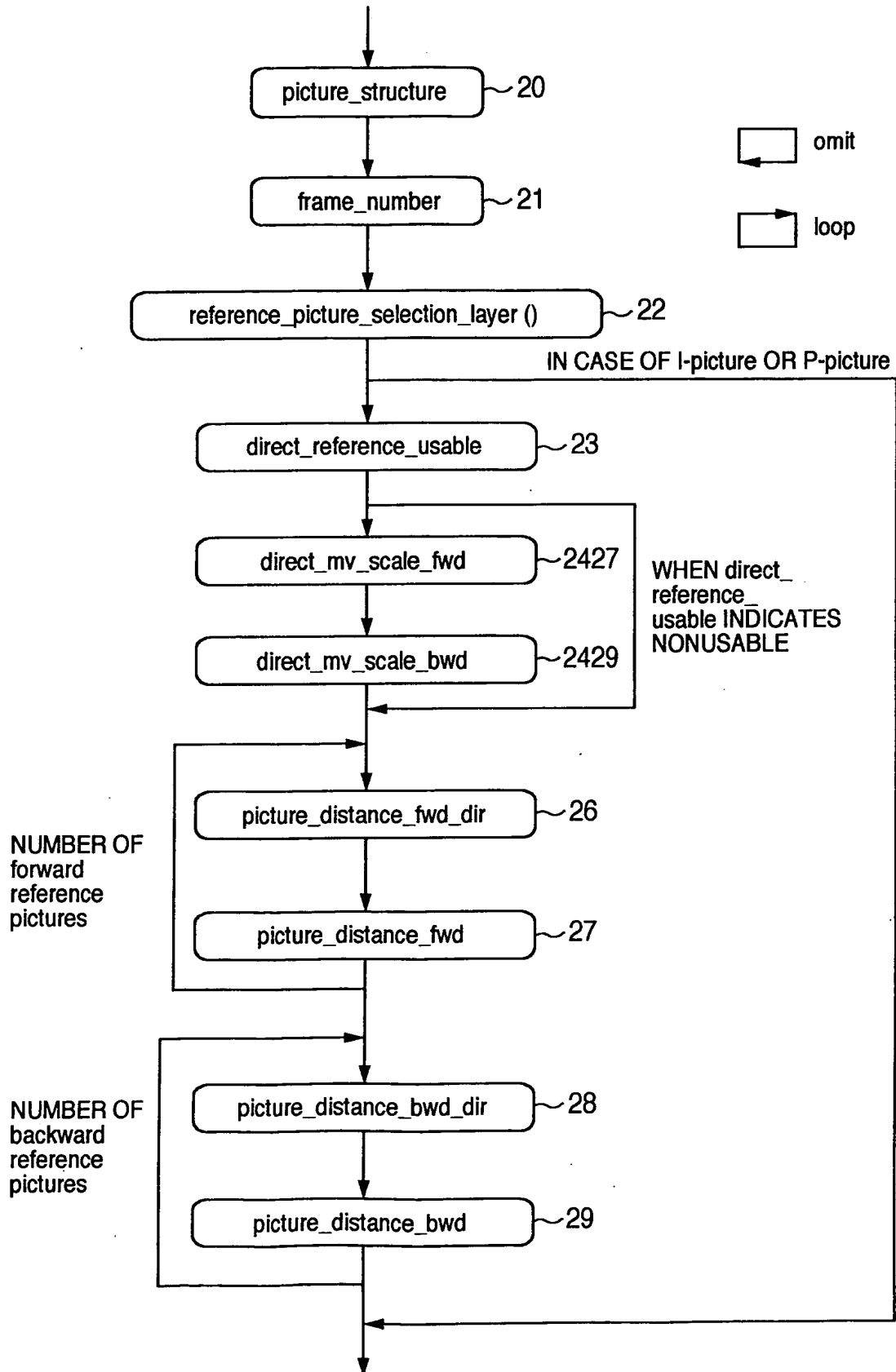


FIG.23



18 / 23

FIG.24



19 / 23

FIG.25

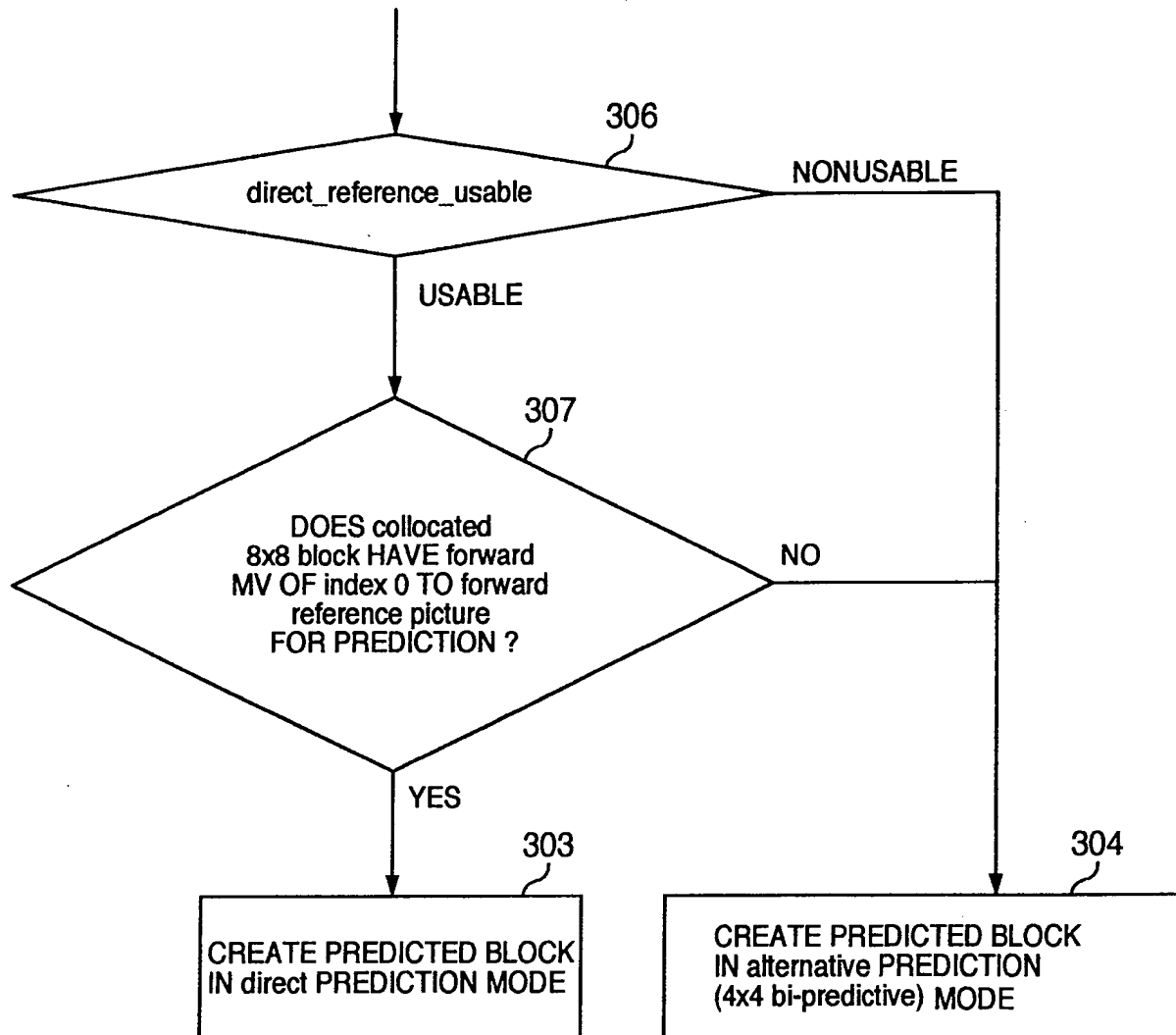


FIG.26

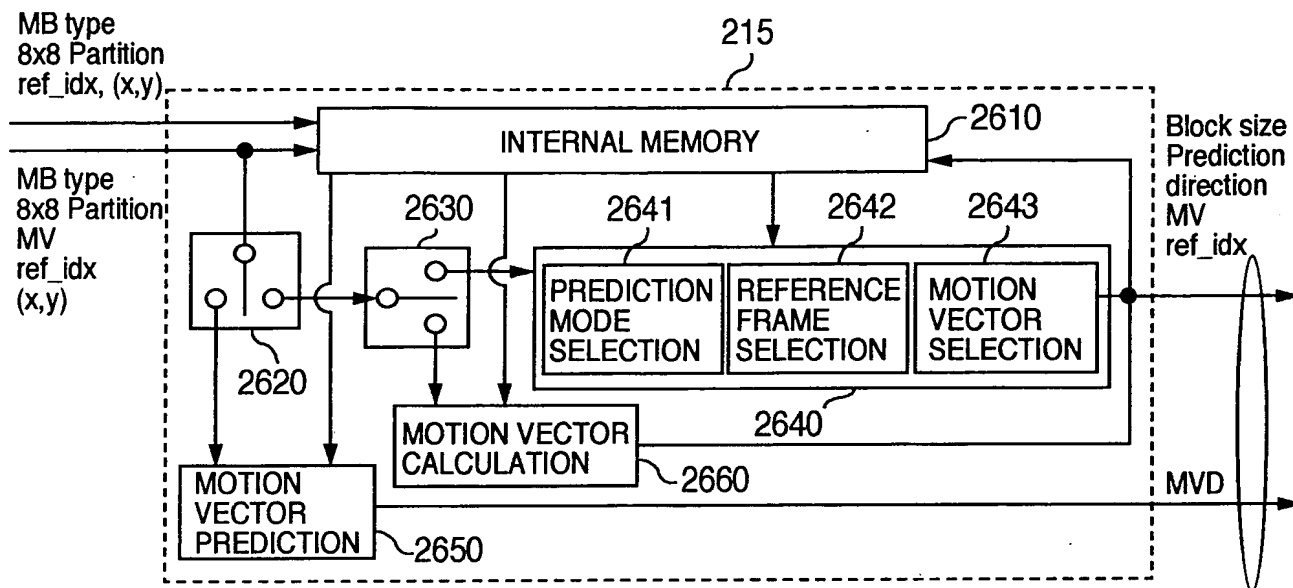
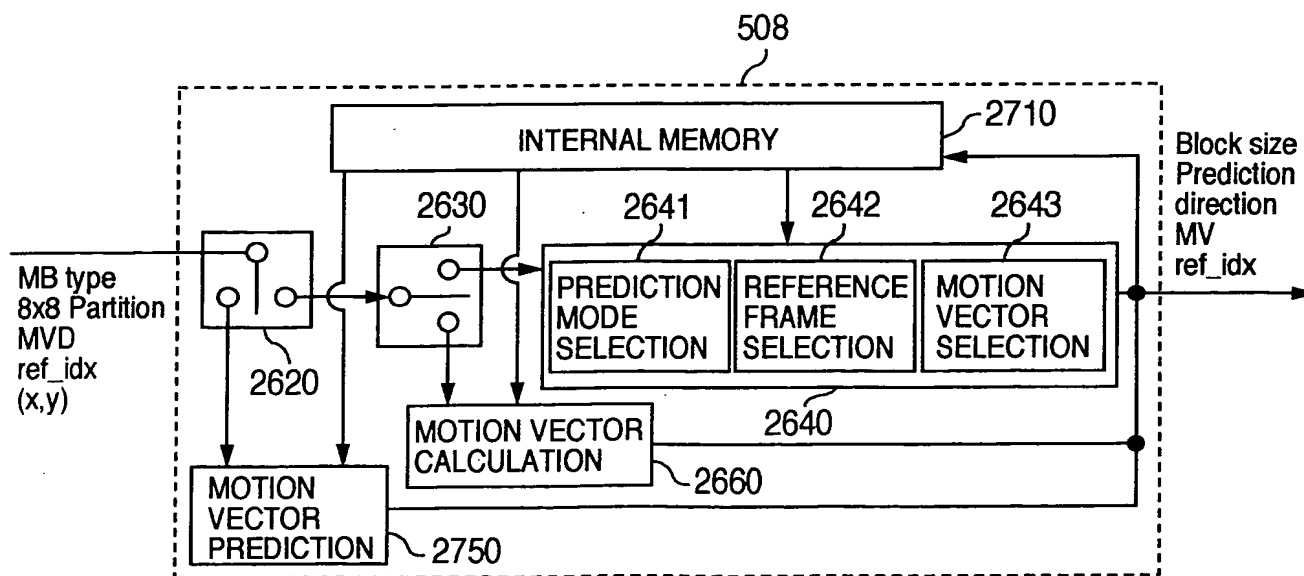


FIG.27



21 / 23

FIG.28

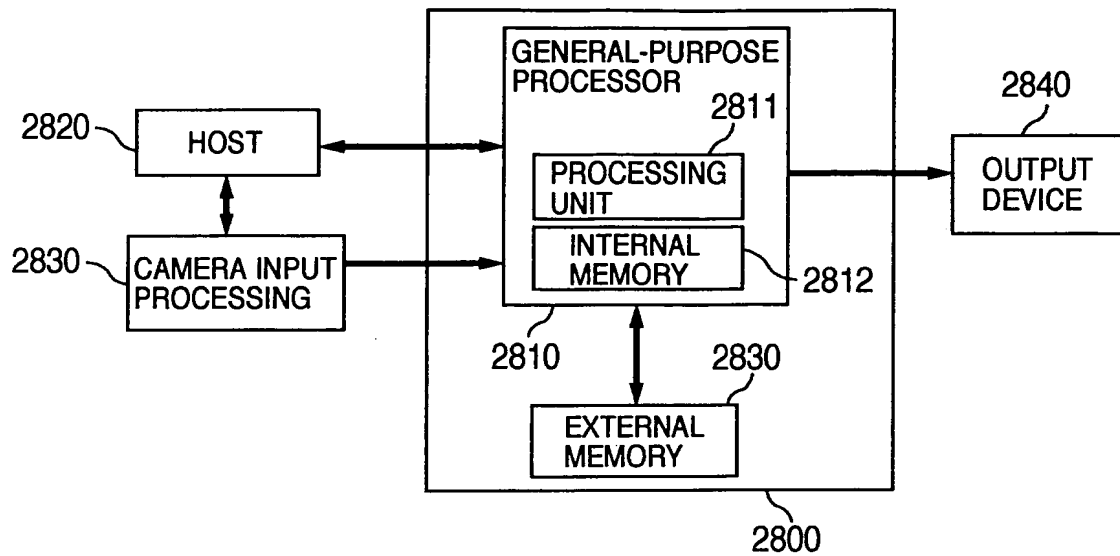


FIG.29

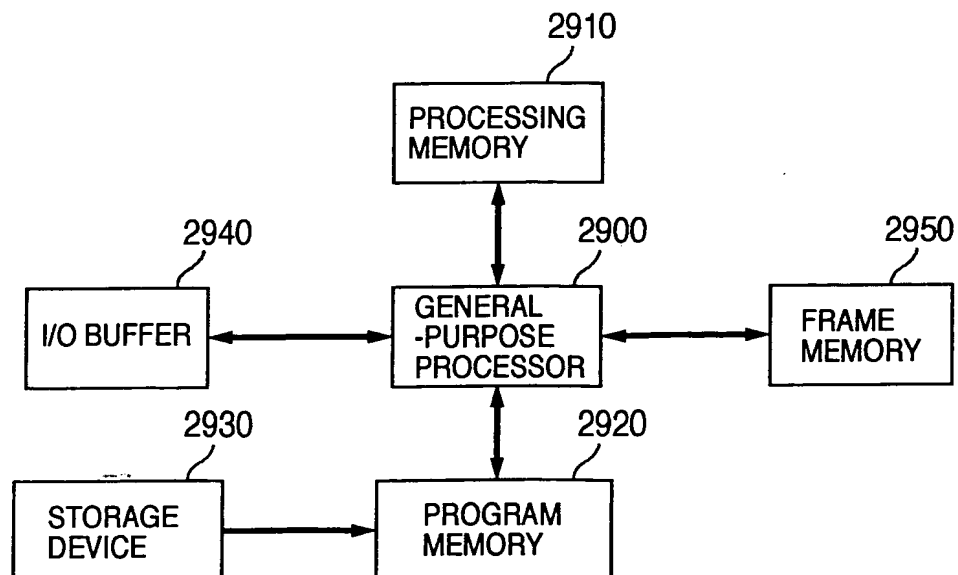


FIG.30

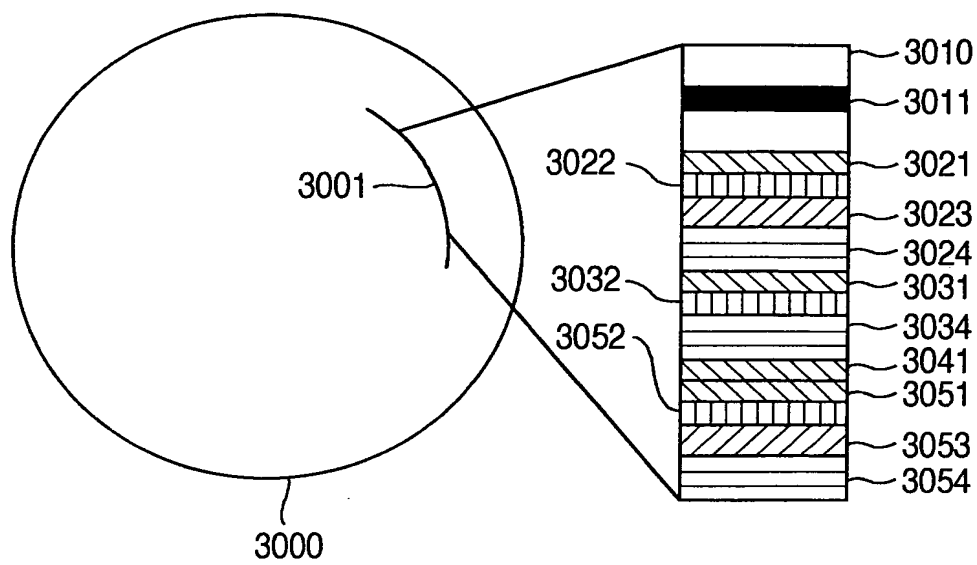


FIG.31

